Approved For Release 2003/05/14 : CIA-RDP78B05171A000600020051-6

NPIC D-278-69

MEMORANDUM FOR: Deputy Director for Intelligence

SUBJECT : Request for Approval for the Extension of a Research & Development Contract for the Development of the Dry Photographic Process by [redacted] From FY-1970 Funds 25X1

1. This memorandum requests approval to commit funds for the extension of a Research and Development contract. The specific request is contained in Paragraph 7.

2. In 1964, the [redacted] 25X1 demonstrated a photo sensitive material which exhibited properties long sought after for reproducing imagery for the photo interpretation process. This material was in the early research stage; however, it displayed a high prospect of pay-off in providing high quality photo duplication material which could be dry processed with heat instead of using chemicals and sophisticated laboratory equipment. The new photo duplicating material had an additional advantage in that it used only 60% as much silver as conventional materials. In subsequent years, NPIC and [redacted] have participated in funding the development of dry silver materials in order to direct research toward meeting our highly specialized goals. The dry silver development program has proceeded in five separate but related areas: film, paper, positive acting film, dry diazo film and paper, and processors for both sheet film and paper. 25X1

3. The work during the proposed FY-1970 extension of the dry silver development program will continue at various levels in each of the five areas. A detailed description of the proposed work is contained in the attached proposal. A brief description follows:

a. Dry Silver Film - Work under this task has already produced a useable material. Additional work is required to improve the film's stability, speed, and quality to the level attained by the best conventional photographic films. This task will again be funded [redacted] 25X1 The FY-1970 funding will be approximately [redacted] 25X1

b. Dry Silver Paper - This material has reached a useable level of development but further refinements are required in contrast and archival (shelf storage) quality. FY-1970 funding will be [redacted] 25X1

Declass Review by NIMA/DOD

GROUP 1
Excluded from automatic downgrading and declassification

Approved For Release 2003/05/14 : CIA-RDP78B05171A000600020051-6

Approved For Release 2003/05/14 : CIA-RDP78B05171A000600020051-6

SUBJECT: Request for Approval for the Extension of a Research & Development Contract for the Development of the Dry Photographic Process by [redacted] From FY-1970 Funds

25X1

25X1

c. Dry Silver Positive Acting Film - Normal photographic reproduction of a film positive is a two-step process involving the initial preparation of a negative, i.e., positive-to-negative-to-positive. The goal of this task is to produce a single-step (positive-to-positive) film material, thereby reducing the obvious cost and resolution losses inherent in the multiple step process. FY-1970 funding will be [redacted] with additional funds possibly required in FY-1971 and FY-1972.

25X1

d. Dry Diazo Film and Paper - Most of the goals in this task have been met. No additional Government funding is required. This material will be available in quantity in the near future.

e. Sheet Film and Paper Processors - Although roll film processors have been developed and are in use, more development work is needed on processors to accommodate cut, or sheet, film and paper since sheet processors have different characteristics than roll film processors. Proposed FY-1970 work under this task is to develop two prototype sheet processing systems, one for 12 inch wide material and one for 40 inch wide material. The FY-1970 funding required will be [redacted]

25X1

f. Due to the overall success of the dry silver program, additional requirements and uses for the material have been established. In order to meet these requirements, additional new processing equipment will have to be developed; therefore, it is anticipated that additional FY-1970 funding may be requested under individual contracts to support these efforts. It is possible that these items of equipment may be contracted to companies other than [redacted]

25X1

25X1

4. The [redacted] has submitted a proposal for the continuation of this research and development program through FY-1970, the current FY-1969 contract runs through October 31, 1969. [redacted] is providing [redacted] in FY-1970 for the dry silver film task and NPIC desires to fund [redacted] during FY-1970 to cover the development of the paper, the positive acting film, and the sheet processors tasks. The technical risk involved in achieving the goals for this development contract is low.

25X1
25X1
25X1

5. This project has been fully coordinated within the intelligence community through EXCOMM. The financial support of the dry silver film task is an excellent example of the results of this coordination. In addition, continuing coordination is maintained with other Army, Navy, Air Force and Agency components having a known interest in dry silver projects.

-2-

Approved For Release 2003/05/14 : CIA-RDP78B05171A000600020051-6

Approved For Release 2003/05/14 : CIA-RDP78B05171A000600020051-6

SUBJECT: Request for Approval for the Extension of Research & Development Contract for the Development of the Dry Photographic Process by [redacted] From FY-1970 Funds

25X1

25X1 [redacted]

7. It is requested that approval be granted to negotiate a contract with the [redacted] at a cost not to exceed

25X1
25X1 [redacted]

ARTHUR C. LUNDAHL
Director
National Photographic Interpretation Center

Attachment:
Proposal

25X1 APPROVAL: _____ [redacted] _____ _____
Deputy Director for Intelligence Date

Distribution:
Orig - NPIC/TSSG/CCAPS (After approval)
1 - DDI
2 - NPIC/ODir
2 - NPIC/TSSG
1 - NPIC/TSSG/RED

25X1 NPIC/TSSG/RED/SDB/[redacted] (20 Oct 69)

Approved For Release 2003/05/14 : CIA-RDP78B05171A000600020051-6

Approved For Release 2003/05/14 : CIA-RDP78B05171A000600020051-6

TRANSMITTAL SLIP	DATE

TO: Caleen

ROOM NO.	BUILDING

REMARKS:

This memorandum had to be typed over.

Here is your new chrono copy.

FROM: cb

ROOM NO.	BUILDING	EXTENSION

FORM NO 241 1 FEB 55 REPLACES FORM 36-8 WHICH MAY BE USED.

(47)

Approved For Release 2003/05/14 : CIA-RDP78B05171A000600020051-6